

Common Book

June

This journal is property of Michael E. Karpeles

415.692.8053

found of \$20.00 26 found.

Legend
@mention
@question
@notice

(note added 2018-12-28)

Common Books

This journal is property of Michael
E. Karpeles (Mek)

Want for Maddy & the twins

2013-08-11
2014-09-11

SF Software for Services by Scott Allen + Nick

- AWS, Redhat v. Ubuntu (HHS - home health services)
- bedjails throat [read more] read excellent sleep
- ants - docker, another union (negotiation)
- how to Docker on AWS, beginners guide
- comes meetup, Wed 08-13
- 18F/codes Infrastructural/docker (info, tools) 18f.gov ①
- linear prioritization (priorit), points on tasks [Info]

① Matt Fischer @ Linc, mobile user acquisition, engagement

accelerating introduction of products celebration

- newtech, Beanstalk Rick Murray (Dropout) v. Ark mobile

- talk.co, facebook messaging (tier, Interana?)

Linc: enterprise customer service (post transaction) returns, exchange

- proximity

- bottles tonight, bacon - uberstyle? bacon go through schools to get PhDs

- product branding v. narrow focus

Franco - foodies

Hackerlist - process, augment team w/ AI experts

Omnia - willingness to pay (hotels)

Slides:

- What does customer want
- Where are they
- What is their language

Steady v. rapid growth
↓
CEO content experts

Landing Pages
- optimizing, tintinbin
- mirpanel

virality

influencers (narrow to top 10)

- recruit trend setters
- have preakit + widgets
- Show influencers what they gain
- interview

partners

- assemble (referrals)
- integrate w/ trackers
- consultancies

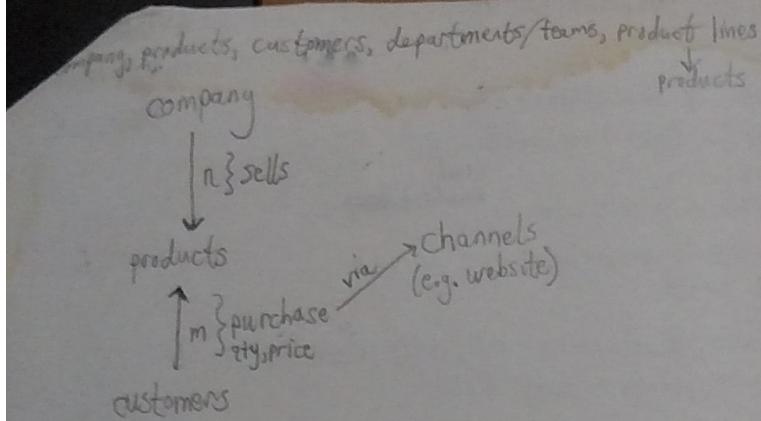
Tell the press

- folks @ entrepreneurs
- based on wordbase
- bloggers

Track feedback
- narrow!

analyze news trends (by story, source) "The Network of You" - verify hypothesis, - some for people
Ray Kapur, Google, Exchange, VIP experience for everyone/don't have to wait

yaelba@baskit.co



scenario
name, channels, product, type, sales $f(x)$, start date, duration
↳ customers

Matt @Sincerely (abnri) + John (D)
add ht to odesk.
venture hacks for FR info
bootstrap from oDESK talent pool
meet trusted entrepreneurs

2014-08-14
o Richard Motta - user density
David Delrymple
Chris Olif
flying to MN, family

(density)
Kolmogorov complexity
minimum description length

MDL recursive resynthesis

internet

rethink db
enterprise sales, how to

people

- jonathan godbaut
- sarah allen (JFE)
- akhil - pitch deck
- joseph perla
- josh hull
- JFE mentors
- drew - commonbook mtg + best books site
- sohail - intro KG (JFE)
- atlassian - touch base
- Sowjanya + Wei
- David Yoon ⇔ Joe Polastre

Cardmunch

mturk

netflix for articles, rev share

- why is one book better than another?
- rev share w/ reviewers
- community; hr, product hunt

politics

2014-08-18
flying SFO

burthermon@gmail.com

Starify

- acq ~ 8 months
- 90,50 % failed acq. when 1,2 interested
- bids, artificial pressure
- consumer → pro-tool
- collaborative software development

- subscription
- mobile, jawbone, gmail
- accessibility
- journalist; AP
- find extreme users

trend

next issue?

2014-08-19
twitter, user voice
- interview users ~100%
find hackers, why are you doing this?
- interview airbnb, elance
- PR - John Klein, techcrunch

• Meetups, collab.
software workflows
- Brent Schmid - Atlassian
- Evan Christley - Brian (MC)
- Andy Singleton - Docker?

A horizontal brushstroke in the upper left corner, consisting of dark green and blue-green washes on a light background.



3

Ilya @ mixrank.com lead scoring 2nd & Townsend
Analytics, MixRank, Nexus : Distribution Channels, Customer Acquisition

- B2B enterprise, YC '11, 7 figure revenue
- Traffic Arbitrage 101, consumer traffic, performance marketing
- Scalable, repeatable user acquisition
- Saturation? Demand?

① Discovery Leverage existing users, measure clients who decline (profile)
• what channels → viral, PPC, mobile, content, email, search, social, stockoverflow, etc., bloggers
• psychographics
• demographics
• clients, customers
• go-to tools?
• buy list of users from vendors
• aggregate opportunities
• Craigslist, in person advertising

JFE Progress Report, Thu

② Testing

- cost/user per channel
- time, price
- ROI, lifetime value, quality, not just qty.
- go-to tools?

③ Scaling

- Split testing → CTA, copy ... which elements most impactful

- Buffer: Content
• Matter Mark
• best practices
• tips for non-tech founders

bugs

Marketplace for AI experts

- what is our biggest value to X
- what makes X unhappy about oDesk, etc.
- what is our cost per user per channel
- what is our client/hacker profile
- • What are our best channels
 - use existing clients
 - interview clients
 - aggregate opportunities
 - how many repeat clients/hackers
 - What is user ROI?
 - what content do our X work
 - when do engineers work
 - when do clients work

Miley

- sessions + users
- reset pwd
- gmail email

Beautiful Design

send to foreign friends family

- list of guides, create, share
- verticals: art
- foursquare (locations)
- analytics on views
- profiles

- Kiosk partnership: POP
 - ↳ personas, usertypes (browse)

↳ print, email

↳ share

↳ create/modify

↳ admin for kiosk

• upload

• categorize

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Upscale Plan life Thinking fast & slow Search inside yourself

Elastic teams of (vetted) engineers for ambitious software projects

workforce

product:

- engineers
- node.js
- python
- C/C++
- Scientists/researchers
- AI, CV

AWS for engineering teams

- monitoring
- quick spin up, easy
- reliability
- affordable
- programmable
- templates

elance, Upstart, Guru

Spin up an elastic

engineering team

slack exchange (verticals)

questions:
product deadline
~1 month
node.js - knows tech

questions?

1) what is an elastic team?
grows with your demand

learnings:
- when do engineers work
- when do clients have work

engineering.getupscale.com

2) How many people do I need and what kind? (link)

features
- easy to use

Tell us about your needs
we'll help you spin up the right team

campaigns
- invite to MP
(prefill profile)
pre-vetted

3) How does upscaling work?
a) Specify your needs by role or technology (e.g. researcher, AI/ML)

b) size your elastic workforce

Peter Naving

c) console (upscale)

- manage demand
- schedule hours

KS - workshop
\$75 Interviewer

Wendy
gopro
→ Zaren

Business Model

Courses

community

- QA
- chat
- news
- job alerts

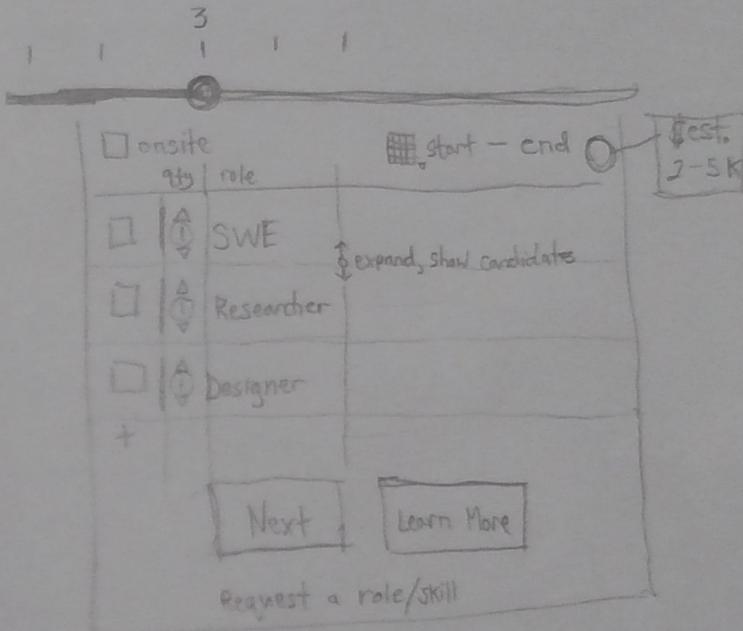
★ platform
★ linkedin for hackers (insight)

how long to find best book?

in person?

university

onsite = 4% bonus
save 25% w/ remote



app on 2 A.M.
15, 10, 5, 20, 3, 25, 20

- 1) getupside.com → reincorporate, transfer assets
- 2) hackerlist.net
 - ↳ insight profiles
 - ↳ application → profiles
 - ↳ campaign, invites
 - ↳ landing
 - ↳ escrow, console/mission control (A/B)
 - ↳ analytics

A dependency graph for knowledge.

e.g. number theory requires arithmetic.

great collaboration

recommend
conversations

Questions find quality
service

- what are the best resources,
- how can we
- what knowledge is similar?
- how to rank a resource?

May have a while, keep feet planted influence

Digger there's awesome stuff, we can have it playbook

unusual expression good structure for self tech discussions

help people structure! do privately

* Book Small, faster & better twitter links to
Read 3 or 4 times (reduce misinterpretations)

happiness needs to be a practice

happiness v. enjoyment ignore risk
spirit, state: utility

go towards diagonal, more paths

happiness, rapid increase in options

relief: negative doors closing

Forest fire versus new growth after fire

on being wrong → getting hurt (using a model we've evolved ourselves)
gets easier to recompute network (internal consistency) over time?

great conversation id

channels threaded email

Chat without rooms

"google"

- stocks
- news

picture of door

all math dependencies

sweden

Rune Karlson @
Lhkoings

Voting + like people
implement tech RFC Wisdom-salon.com
World Cafe protocol googlehangout.com

• diversity butcher paper
max into gain grains of wisdom

• choose question + room election
- politics 3 public
- best 3 not recorded
+ votes Java

May have a while, keep feet planted influence 3/4/2014

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sweden

Rune Karlson @
Lhkoings

real Client

- funding: 5M+
- has distributed team
- ~~has~~ experiences surges in demand, unpredictably
- Salesforce

- Discovery
- Prototyping, demos, product ideas, release date
- consultants
- Maintenance, QA
- deadlines

①

→ greylock

interview 10 companies + our network

- What are your biggest ^{tech} emergencies (rank)
- How often does your co. prototype new ideas
- Do you use data science to understand this data
- Where does most of your data come from
- What data do you wish you had more of
- Do you have problems with deadlines?

(opportunities)

backlog

- Code quality?
- bug reports?
- Workflow?

1)

2)

3)

4)

5)

insufficient talent

Qty, Qlty

Workflow

10

HackerlistClients

- 1) Joyful followup + Engagement letter
- 2) The Quad Contract
- 3) Custom Cut Dev @mek @jessy
- 4) Splits Engagement letter + intros
- 5) jujutsu.io domain

Weekly

- 1) 5 interviews Clients -
- 2) Hacker campaign - 10% growth / week
- 3) upscale landing MVP

②

a) discovery
- hackerlist.net landing

b) intake (testing)

c) vetting (scoring)

d) community / MP

2003 19 months, Q3
- Anthony 20M, durable
- Bumpus, Q3 2003
- Rob DeMillo, Discovery
↳ Revision 3

9/27/03

Yahoo hotjobs, enterprise ATs

- what are the checkpoints (time), time/benchmark operations
- 1 Rings Lane, outsources a lot
(looking for java, rails)

IP:

- people
- personalization

- optimized A/B

- woopra, has intro

efficiencies - hyperink

core product

- what did expansion look like (team)? time, funding, demand, what teams, who hired ↗ 5
- what were hiring values, culture
- how did hiring & efficiency play together? ← 1

• elasticity?

• what went wrong in hiring

• hotjobs biggest learnings: ← 4

feelings
restrictions about remote, } ← 3?
- when is it effective?

• early organization, delegate management? ← 2

- deadlines? not until you're ready

- efficiency -

biggest factors

- trello, osama

effective > right, people

know people fears + motivations

hired HR, policies, laws

work safe
be transparent

* if remote engineering, what would you do.

- manual work

yahoo

- bangalore

oculus + sphere MV - Jaunt 6p. help (use cases)
 3d reconstruction; ground truth
 human bias
 ↳ ask multiple people 1M req/day
 preprocessing "lie to me" - microexpressions
 Paul Ekman

Crowd-computer games: reCAPTCHA for games + annotations → give virtual currency
 Alex Peake, over-worked

Soren

product: user interfaces
 give users: - MS Fusion
 - games - weebly
 - use cases - intros

new type pay wall } ecommerce

is include 50%

Fund Raising
 ↳ per task
 ↳ sell task to games
 month 6, upcoming CV
 a few task types -

clients
 ↳ games (value) cv companies

6 learn correspondence metrics

libraries

Non Compete snap fashion 5 customers
 UCLA justify scale Stanford science policy
 Lucas Slack, Stanford, \$100k feban
 Assets - semi-conductors freespace JC for 10 years

freespace if PhD. beam
 science oriented cos. google quantum computing atoms (isotopes)
 Tim Binely smaller R&D dialog medical equipment

Counterpoint help + fill a role NLP + politics g.v. bi-med

Maplight.org pressed for cash - 2 months ethical + theoretical
 Doug Edwards consulting Slack hours/wk

wants more verticals flight Sims project
 info robotics + drones hours/wk

What problems + related
 case studies

domain expertise

algebraic optimization
 medical
 oral cancer
 treatment pipeline
 (cancer) planning, 3d printing
 cancer post surgery - radiation
 mixed integer
 continuous & integer
 Netflix intros
 [Mike Tompkins, Arvind Rao] optimization/ML
 optimization open source lib?
 Bay area
 intros?
 delivery
 optimization/ML
 python + Matlab + C++
 oct 1
 - CV

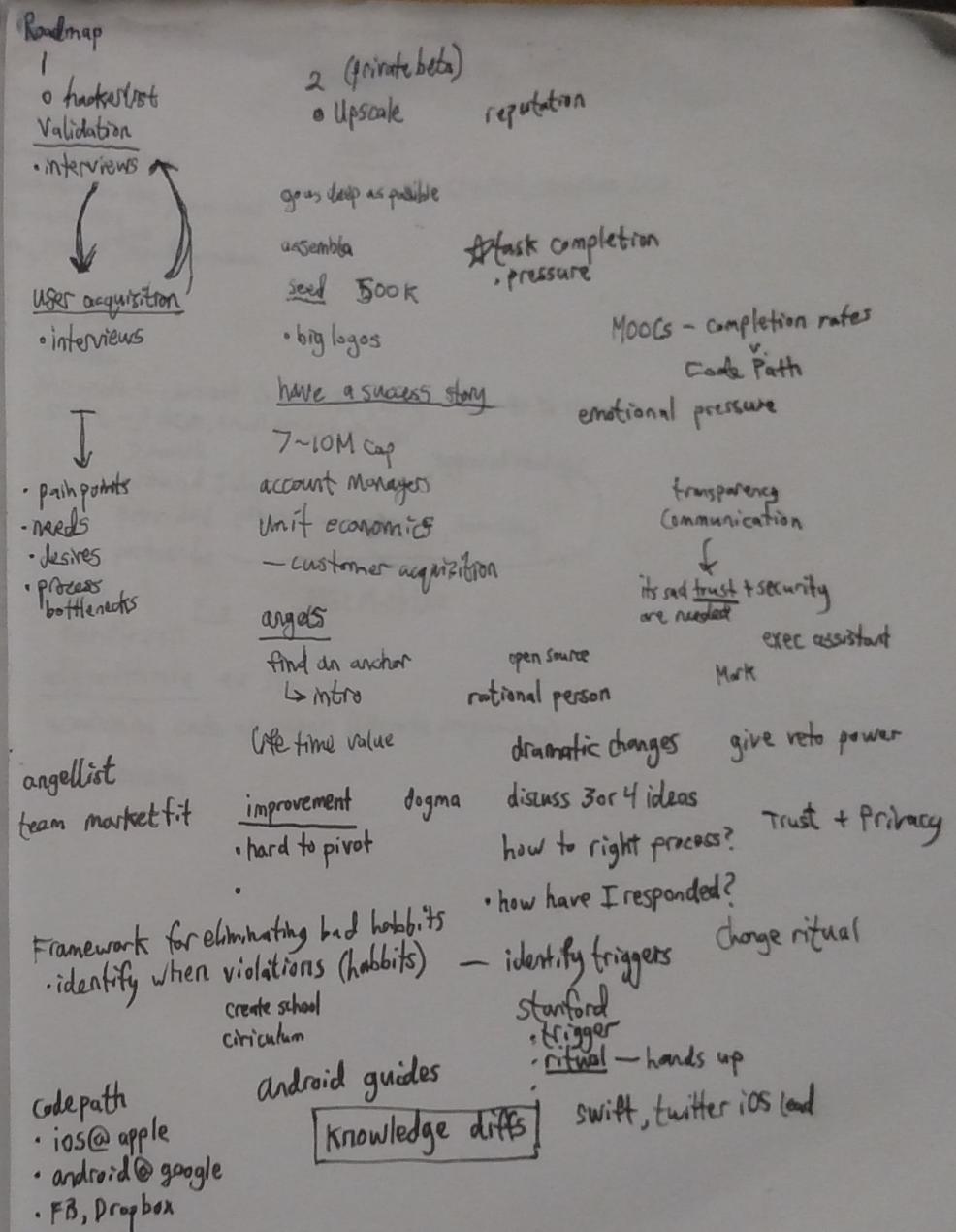
Danny
 IEEE, SBA Ecosystem Speakers Burt Harman
 hackathons, job fairs hyperlevel electronics
 - lambda hats has IT AT&T
 App Dynamics referrals
 Meetups, Intel Recruiting business Skype
 for profit: F5, Intel agency, staffing, projects ①
 - paying demographic Len, PSE small businesses ariba RFP/RFG ②
 joined birds Verticals 50% 100K → 16K
 Nick Frugale. * 500-3,000 employees, tech alliances
 IT, mobile, software, HR Forrester gold - data science panel
 Space, audience ③ Demographics
 - speaker, recruiting oct - nov: ① hackathon app
 - amazon parents + kids
 - ms azure robotics
 - apple
 if biased by light

9/10/2014
IEES

- 1) Hackathons
- 2) RFP/RFG
- 3) Referrals / AT&T

- Double Slit experiment w/ sound as observer? infer visuals via Fourier analysis
(observe at a lower/different dimension or resolution. Use PCA)
- why do we think electron splits versus just hitting other electrons moving through air
which propagates like waves (since electron is lighter than air but may presumably needs to displace (or at least affect) other particles as it passes)?
- can an env be created (frequencies) which (yes, electron gun/particle collider)

你好嗎？我很好。我也你。
呢 嘴 呢
你忙 都 不 -bi
他忙 朋友 -péngyou
朋友 (friend)



Pellago Roadmap email

CustomCut

Hackers WII

iOS CV Legal

Campus Credit followup

Jack Abraham Mtg > Next Week

Riviera Mtg

Pay Mischief, ^{Sync} deposit EverAlbum

Drew Re: Laundry

Set night alarm 11:30p

details

id, desc, created, complete date

Josh Maher

Amaraon

Microsoft - contract is offsite, Bing 80-90% revenue
scale - 3 devs, small project → 150

2 month

around July?

approved vendor

provided project management, invoicing

partner for

- RoR Fin MS: Matt Lee

unilever

algorithmia ex MS

academics code up paper (literate programming)

↳ licensing

Factlink fact universe philosophy useful in a few years
 annotations, open source falsification: definitions
 fact graph prolog
 - axioms Clojure
Isabell
 democracy. - votes
 * stack overflow not useful for spreadsheet
 you need target audience
 DBpedia, Freebase, Wolfram Alpha
 versal - interactive edy
 Knowledge. versal.com d3
 mailing list, GSC
 algorithm visualization, SF

Virtual Reality, medical pain management
- games makes tech
tech? messaging, IoT
not sure about upscale

Darren

verticals
idea . health care → job types
budget

financial
- health care
- e-commerce
- social media
industry failure
value proposition
content

who have you worked for in my space
anticipate

how do I know you're good

job score
- free → post jobs for 3 positions
- ATB
intro emails
(client pain)

workflow Savings
calculator

time by
Industry standards
→ project
→ gaps
① Audit
② Match
question flow
languages?
interviews
free for 1 engineer
CTA - hangout
B2B or B2C
volume

outsourced for:
- web ruby, php, go, C++
- mobile AWS
- database
- API
senior PE, android

android pain
- different devices
Practice Fusion
Ken
fish
see who's funded
VC5: start w/ CIO →
rate
avail ←
why good
paperwork + benefits

how fast, least effort, save money

Premium talent
far as long as you need it

collaborative proposals

replicate on demand
site

Formal language for legal
autoencoders

new relic
vuln 1/63
meet earnest.com } prime
more advanced metrics
as a service
(step 1)
ML for banks zip code

Kiretsni - angel
pay to present

Retangler, founder | Sales v. apprenus
 SDR - Sales dev rep, Leads 45 people
 guerrilla tactics NOV
 - find
 short email, educate in email
 go to events, limit 10 customers / day → engage tables
 partnerships - people reached out

have a rubric for qualifying (conversions)
 - skills
 - conversions
 networking
 all metrics → revenue > health
 - unify

Stanford | 2010 EE in Tel Aviv Max Likelihood
 efficient auctions intel → doesn't want to implement specs is good
 hour can I help?

extended depth of focus pictures at different focuses
 Nokia 200M phones → tessera 60/40
 Blackberry → computational photography
 Samsung → Google Glass
 (1) auto focus - lens watermark } Israel 26 people
 (2) optical zoom → camera tuning
 → 1 person, NASA
 1 day / week

Responsibilities

consulting requests

10/2

- website copy
- google - search
- amazon - infra
- gopro - cameras
- lytro -
- fitbit - health
- - medical
- stripe - finance, fraud
- youtube -
- nvidia -
- assembly -
- terminal -
- zendrive -
- workday -

DA Valve games

- Morgan Stanley - fin
- - analytics
- uber, light networks?

hardware robotics + sensors

cameras + biometrics

data science simulations
 - analytics
 - scoring systems

5 companies
 apple, google, ms, sony, samsung
 processing pipelines
 qualcomm, intel, nvidia
 gopro - zaven

(2?)

Architecture

• classify, predict, simulate
 extrapolate/infer, optimize

Operations?

aws

CV/Biometrics

author face binned
 networks
 clustering
 predict
 classify
 robotics
 density
 predict
 cluster
 AA
 ecom.

AI/ML

ML/KBM

Data Mining

Analytics

Data Science

simulations

analytics

scoring systems

2014-09-30 Tues

我今天看电影了。

wǒ jīntiān kàn dànyǐng le.

我今天看了一部关于量子力学的电影。

wǒ jīntiān kàn le yìdiànyǐng guānyú liàngzì lì xué

一片电影

yì piàn

10/3 Kerken dinner; Sab, MK, drew

- Virtue is a habit
- compound interest

looking for instructors
i) Jr.

Startup ML

Mike: Galvanize U, instructors

- codepath
- relationship

2) Sr instructor
Professorship@UNH
PhD Consulting

Galvanize X

enterprise:

- pandora

↳

• recsys VC:
• adtech → persona graph, gene cloud, planetos
• anomaly cryptanium

- classification

- unlabeled, active learning

health

at cost

smaller:

- coaching

Ph.D hard to adapt

OJT - on job training

py, math

NY/Bos - footprint

rand: needs communication channel + tempo

Austin, Seattle, Denver

• learn more of people

time series ask Why - causal analysis!
events ↳ credibility

• trust

unstructured

↳ ctx specific (long)

Data Stacks

ideal pipeline: them

- 1) problem statement + tech
- 2) proto
- 3) see candidates

• months

↳ re-engage

• same hours if not onsite

↳ slack

questions? hangout / architect

1/3 of hours is distributed

flannel

data science toolchain

not amenable to hourly

Wristch, fund
block discovery
Washer

Up
Derry, 2 yr
20-30 deals
Seed-A

dynamic pricing
4 people
collection, big data

deep learning as a service
telcom
phonology

• pilot
• intro

• robotics
• Name, vicarious
infra, wearables

(outcome oriented)

list of investor questions. Create template / decision tree

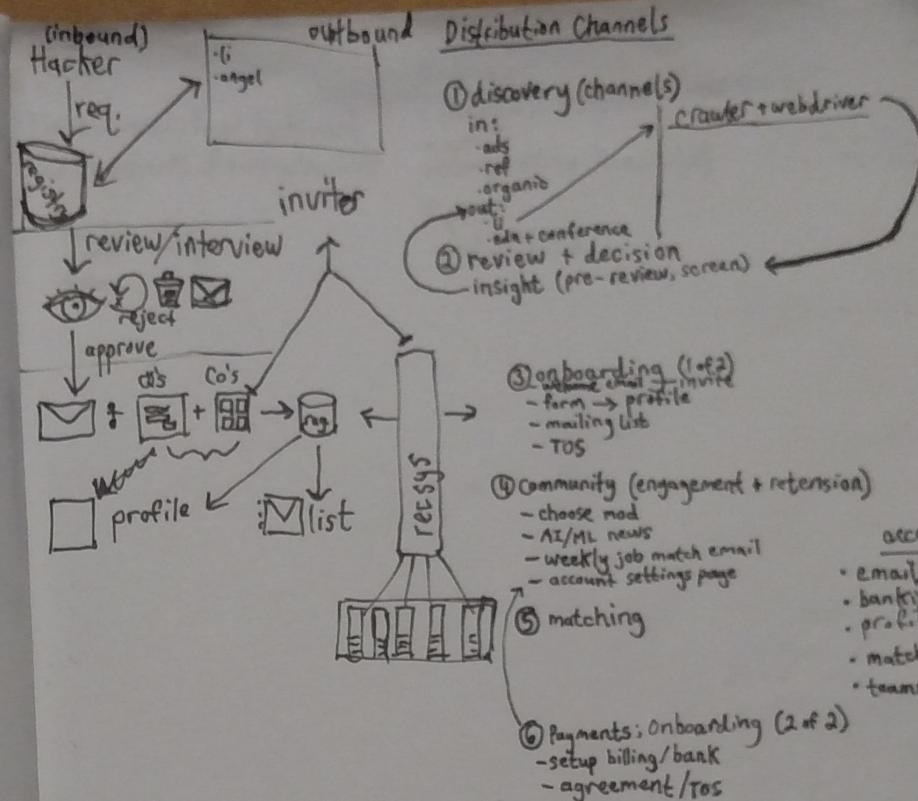
- device, idea validation
- \$
- clients

1) Discovery

2) Registration + Onboarding

3) Create Team
POST /api/v1/teams
- seats

4) Matching (recs)



(Hackers) (Time) → flow? channels? scale/repeatable?
① outbound - cost?
① inbound - channels?
② review - @scale?

- decision
 - rejection email
 - acceptance
- onboarding
 - Wufoo/gdoc, data collection → questions?
 - mailing list
 - agreement
 - intro

Books

Measurement: Paul Lockhart
The structures of everyday life

Folyo
design

folyo

design

Philosophy:
• think at different time scales
• write
• compressing (knowledge)

Topics:
archiving, IR

Canada, data science

Contingent

data analytics as a service

reqs:

Ph.D

exp. databases

math

hard physical science

bio-informatics, econometrics

remote

access to large data

hive, python → java

volume: 3B events

(mostly games)

retail

where gaps in team?

c/c++

↳ mpi

↳ io

trulia

failure

analysis

↳ ai

robotics

- willow street

garage

intro to Lixir @ Interna

i) long search cycle
2 weeks is great
90 days in board & up to speed

2) know selection

3) needs for 90 days
retained is easiest, Sow4) wants Sow & 300 - 12K
- boilesplate

realtime memory analytics

- anomaly detection

- controller boards on devices

- monitoring systems

- citrus data (pgsql)

- erlang campeyangia

↳ come from erikson

clients!

• ubersoft - Lenin

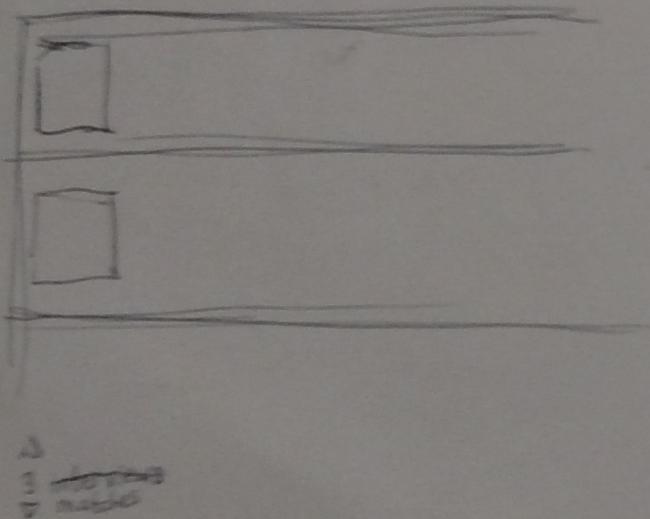
• macy's

•

2 hours 7:30 5:00
 1 hour 1 hour
 3 3

- classes for client docs
- 4.2 x 3 client + access to other - parts next week/when
- 1.1 x 3 business -
- 4.2 x 2 EIS next
- set phone alarm for meetings (or calendar)

- executive/area
- engagement (new) → pop-up table
- lang
- forecast
- dev & researcher



- 1) go to getupscale.com
- 2) select domain
- 3) select plan
- 4) request demo or ~~log in~~ → create "hiring team"
- 5) create account
- 6) setup organization + teams
- 7) billing + credits
- 8) invite team members
- 9) console home
 - resources
 - docs + brief report
 - account + billing
 - launch
- 10) launch
 - domain
 - engagement plan (per team or per user)
 - configuration - seats, stack, preferences
 - review + checkout (specify # credits) → mand. seats → upgrade credits
- 11) matching
 - email candidates who match
 - domain, lang, availability
 - place requesting candidate in candidates "resume" list

a) activate seat /api/v1/teams/:team/positions POST

b) assoc candidates /api/v1/teams/:team/positions/:pid

- hacker api-key (decision-api)
- a: how to only allow qualified candidates? pre-approved table?

(opt) c) schedule interview

client specifies avail via doodle → schedules google calendar

d) approve/reject (decline offer) (post)

Andy, Tump
covert, therm., debt
engi.
Jared? Joe Trilogy
twine
John Moore
Topline
camera
playback
w/ his tech
Zorko

affiliation
missions
build integration
get affiliation users
engagement
scale
-thousands

↳ 2 papers
• py spec
• visualization
(webg)
legalize
mashup

Ted Nelson @ IA Fri 4/3

Mitwitz:
transclusions and links
1960 - intermedia

The 5th text format jsonld
document system
• parallel pages w/ visual connections
• quote connected w/ original source
• payment mashups w/ payments

★
video 3: preserving text wiki:tumblr 1.2--

DAG
directional
graph

linked list

use

- notes
- free service
- life dimensions
- time + space + feeling

zipped list
zzlist: json

micropayments ~40 yrs ago

transCopyright

↳ specify source (require)

• how do people get paid?

↳ what about media not digital?
(some kind of reference card?)

↳ xlink to content

• index (int (table)) directory? symlink

doc distributable

metadata/text

annotated media w/ metadata

• open annotations

• docverse

Ted Nelson thinks url is great, addressable docverse

unid down to bit
of resource

not just

server-id
doc-id
version
resource?
↳ reference parts
of resources
• frames, coords

Mark's Primes

base case: 2, 3, 5, 7
Mark's Sieve

1, 3, 7, 9

~~base case: 2, 3, 5, 7~~

~~add 2~~

~~11, 13~~

~~17, 19~~

~~23, 29, 31, 33~~

~~37, 37, 41, 43~~

~~47~~

~~10, 18~~

~~turns~~

~~factors~~

prime cannot end in:

a) 0, 2, 4, 5, 6, 8, ~~X~~

b) digits cannot sum to 9
(46 to 10²)

3 15 116 9 (6)

13 117 1047 15 (7)

11 9 7 21

1	3	7	9
3			
7			
11			
13			
17			
19			
23			
29			
31			
33			
37			
41			
43			
47			
51			
53			
57			
59			
61			
67			
71			
73			
77			
79			
83			
87			
89			
91			

7's what is 2 (period) 13

% 7 = 3?
7, 14, 21, 28, 35, 42, 49, 56, 63, 70
77, 84, 91, 98
↑ ↑ ↑

(a) (b) ? ? ?
1, 3, 7, ~~X~~, 11, 13, 17, 19, 21, 23, ~~27~~, 29, 31, 33,
37, 39, 41, 43, 47, 49?, 51, 53, 57, 59, 61, 67, 69,
73, 77, 79, 81, 83, ^{20th} 87, 89, 91 25
29 31

4, 9, 11, 14, 20, 25, 29, 31,

21

33 - 11

49 - 7

67

77 - 11

Chem% composition

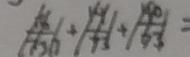
empirical formula:
or %, assume 100 g of element

$$\frac{\# \text{ atoms} \cdot \text{atomic mass}}{\text{molecular mass of compound}} \times 100\% \quad \begin{array}{l} \text{O} = 16 \text{ g/mol} \\ \text{N} = 14.007 \text{ g/mol} \\ \text{Ca} = 40.078 \text{ g/mol} \end{array}$$

e.g:

73.7g

$$\% \text{H} = 2 \times 1.008 \text{ amu H}$$



$$132.1 \text{ g/m}$$

empirical formula masse.g. H_2O_2 is HO

$$\hookrightarrow 17.01 \text{ amu}$$

$$\text{Ca}(\text{NO}_2)_2$$

$$\frac{\text{Ca}_2^+ \text{NO}_2^-}{73.7} \quad 73.7 \times \frac{1}{132.19}$$

$$1) \text{ calc. mass of Li}_2\text{CO}_3 = 73.89$$

$$2) \% \text{ Li} = \left[\frac{(2 \times \text{Li})}{73.89} \right] \times 100 \quad \text{particles in } \text{Mg}^{2+}\text{PO}_4^{3-}$$

$$\% \text{ C} = \left[\frac{(1 \times \text{C})}{73.89} \right] \times 100 \quad \text{Mg}_3(\text{PO}_4)_2$$

$$\% \text{ O} = \left[\frac{(3 \times \text{O})}{73.89} \right] \times 100 \quad \text{mols} \times \frac{\text{parts}}{\text{mols}}$$

Molar Mass

- grams of one mole of substance
- mass, in

each element

$$\text{molecular mass} = \sum \text{molar-mass (e)}$$

it matters whether

use mass of monotonic element and \times by qty

Converting Mass, Moles, & # of Particles

multiply by type of denom.

$$\text{eg. } \frac{\text{grams A}}{1 \text{ mole A}} \times ? \quad \left\{ \begin{array}{l} \text{multiply by} \\ \text{moles to get grams} \end{array} \right.$$

e.g. 3.26 grams of water, find # molecules of H and O

$$3.26 \text{ g H}_2\text{O} \times \frac{1 \text{ mol H}_2\text{O}}{18.02 \text{ g H}_2\text{O}} \times \frac{6.022 \times 10^{23}}{1 \text{ mol H}_2\text{O}} = 1.09 \times 10^{23}$$

BeanSprout Buy el4

- type/select company ←
- co. mission?
- domain v. techs
- login vi. li? **AI**
position

• quality jobfig 8.11 crane

el4

ustin

- deep-dive
- gives door
- find the best

demo

(conversion) ✓

Monetization strategy? promote co's? freemium? deal w/co?

job types? sources? Indeed, angel

search/recsys start?

needs? team? goal? use title
(size)

Stack? google app (h2)
python angular

- 1) db DAF, Super { **8k skills** } → domains
- 2) taxonomy
- 3) algo - training

YC 2015/4/16
fish UCS

- and climbing
- stack is requirement
- pitch: jeff raskin
- deck: access to source
- beos: plan9 plan9er

feedback for
stack app's of
for browser

- visions-salon.com
- node.js workers?
- ruby bundle gem
(pyth)

istahan
alex reke
(sean parker)

- js in go?
- talk carry doctrl
copy right, democracy

{ **dearnull**
cluster
mtup.
#irc

A1

- library of Resources/Bookmarks
 - curate + share collections

* how does a collection get added? (resource)

@tag. barbasi central
gibbon.co

quora.com adam horward (AI)

find the best comp. econ

tag people on resource

SO gutten Reddit Bakshy

user account <has>

(they can approve/reject)

- reading list (books + ro's) idea

- history chain graph (browser resources)

- points (karma)

- interests + recsys rec products? (requests)

- questions Curricula lists

PageRank of resources (based on lists/bookmarks)

resource can have/belong to n. knowledge maps (classes)

gaps:

- progress

concerns: privacy (regulated)

(incognito) topics + skills

onboard: (collections)

List 3-5 topics you want to learn about: (skill tags)

e.g. Chinese, AI/ML

candidate MVPs

1) share reading lists

2) ask for source

resource:

• depends on x

start w/ curricula:

1) AI/ML

2) Chinese

3) Math ←

4) CS

5) Music

wikipedia for learning skills: (captchas)

Khan Academy → harness human comp. (duolingo + esp game)

connect + ER the best resources

Great Conversation of knowledge

a) global graph (DAG) e.g. wikipedia

b) sub graphs (lists) e.g. how to cook

↳ can have subgraphs/dependencies.

c) auto gen ~~ML~~ curricula for Khan Academy

OK. What does this look like?

- Corp tax
- personal tax → B.o.A, bond, vanguard, fidelity
instacart + detergent ✓
- futon + dresser? ✓
- Chinese
- read calc + do Khan
- upscale roadmap
- custom cut check
- deposit checks ✓
- get bikes
- Roth IRA 2014 + 2015

israel
stockfeed
stats geo-gis
Python
Co-name
java, python
ATS → NLP
what % accuracy?
relevance

1x a month, write about creations: german
deadline or consequence learn immersive + treating
minimal pairs gwmtrab.com phobias

intel system by segment Now → extremes getty
webware → clearstory, xeros → IA

→ appium, David
Tamara
Soyju @ upside
Sunny, Jason, nut brown ale
on life goals, research groups

FMoS,
sunny, jason, tamara, rachel,
luna, stephany, david,

FL 2015-04-12

lead gen
inverse financing
lending, undercut price
→ fear: regulation, capital
blueprint, concerns
50-100M req
online SBA

deposit: demand, interest
software play, niche, change policy

• turbotax/intuit for loans

• why can't others do this?

• why is a SBA loan hard?

• 3 weeks

• reqs: tiers (make it easy) → automate loans using cashflows

• dist: mobile app

• web repl

2015-04-12

entity rec

discoverability

long now

ft mean

retcon

sinch: monitor

split

Moral imperatives

• global warming

• energy

• fact checking

• edu/learning

• measuring information gain/value of info.

• preserving/steering knowledge

• health → food

• housing

• market? pol?

• communication/access/freedom

• ER, dedupe (RDF), structure

(open ER, RDF)

open eric

the human project

10,000 year clock

long now

epic alt to www

• db of ER'd #people, #books, #papers, #urls

• use wikipedia? (Ground Truth)

what gets us 80/20 and has good data sources?

what are they?

lxpk:

• sartan @ atlassian (jira)

• episodes, installments

• jan paul

• long now

• lxpk @ caltrain

Palo Alto (meta)

• long now

today

• CRC summary

→ refine pitch

• SBA demo

• clear up finances

→ intro's: stripe

• prove loan model

• security

• silos =

not caring

about X

• demo

instant

bestbookon.com, gutenberg

AIML

(a) Zack + Sarah

terminalie book reader

reduce friction +

cost of book

scanner

bound

• conversations

• curricula - how are ideas learned?

• genealogy - how are people connected?

• books, research papers

epi, edu,

si, change process

liquid democracy

structure

alternative to http, latex

varian

• yannick

• brent victor

principles

(a)

• jeff tsihang

• alan davis

• programmer

challenge

website

friend

rm

• drew wiley

• justin orrort

• lisp

• long now

Chinese 2015-04-08 13:20 PDT

请问 qǐng wèn - excuse me...

多少 duō shao - how many/much

要 yào - need, will have

钱 qián

2013/04/10 @IA /jcg

public facing 3 [mean projects
(a)
(b)
(c)

- goals
- projects
- specialties
- time

- collection of examples to highlight + visualize
- how can needs a 2nd hackathon

★ (d)
(e) API presence
(f) internal
(g)

- CI + tests
- efficiency
- dashboard
- culture + tech: don't break

senior devops manager ~130k email job desc. ↪

- Jessy & wayback switch to python.
↳ playback Eng as 2nd lang

Confluence: global arch. map

(a)!

- 1) run code against IA cluster: test bed, VM? (RFC)
- 2) menu of projects

docters

- 3) API's RFC (e) shoot for 5 examples of

- 1) darkbot, may 6th
- 2) presentation, release

talk to Jake

open library ↔ wikipedia +
(a) aggregate amazon
from delta, libangress, etc.

★ meta data ingest

- (b) Brewster album
covers
find image (rec)
CV
(g)

- (c) post curricula (f) code release
process RFC

go of vision

Next steps

- access to confluence + jira
- presentation (3)
- contact Jake sign in
- RFCs
- jessy
- sourcing
- intro architects re: (f)

- Cameron red
- gordon
- partner@NY
- iannitale
- politics - essay
- website arts culture
- Ravi
- jessy
- mitterack
 - ↳ good spec: update client spec
 - ↳ arch.
 - ↳ app engine
- housing
- upscale: long
 - ↳ niche
 - ↳ one side
 - ↳ hired's ≠ 1 client

20% commision
js code style
bootignt
org
book
• isfahan → gulp + npm
• graph.js

Bridge

- gafesh - tumblr @ NY June
- John
- Jan

3 Pillars
- express issues
- roles
- 20 partners positions

* connect like minded people

collection
outcomes
tags
1. influence 2016
↳ changed outcome
↳ pledge
↳ discovery
↳ identity verification
2. more transparency
(make interesting)
↳

3. accountability

(ops) Erik Rignorp stats/ML
- code mentor
Director of Engineer
3 yrs xp running team
data pipeline + insights
(people)

John Gonzalez

smaller scale data
indieWeb webmentions

Jake hypothesis

Laura Paganini ORCID - trust IDs

Chris Blow Meedan

Jake Hartnell @ hypothesis

Rob Sanders
(Stanford)

Social Demand Progress
engage Brigades social pressure
for issues

support action: refugee
discovery

actionables: Microsoft
• data, recsys anonymizing data

netflix

size Data Challenges: + stock
• Predict

• connecting people

• hadoop map reduce streaming
• JIM deploy

• Kafka

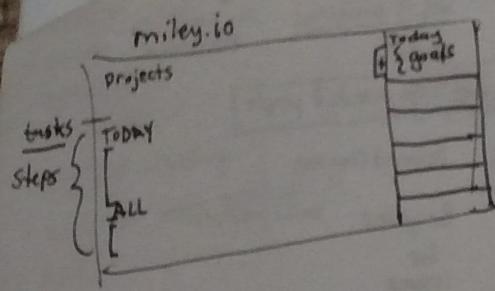
add causes + user graphs RDF

val annotation working group

Social Working Group

group

Alex Graves



scratch

how to encode

- ideas
- people to contact
- req'd daily goals

2015-04-23 TODO's

- T1) Set deadlines → Roadmaps
- T2) Queue emails ↗
- T3)

T1 Roadmaps

- a. archive @jcg
- b. miley @me
- c. browser / isfahan @drew @josh
- d. graph @me
- e. research
- f. (meta) TODO's
- g. pypc
- h. math.mx
- i. essays / blog
- j. Annotate

j. usb
k. chinese
l. bestbook
m. upscale

People (index)

- 0)
- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)
- 10)

darkbot chat

- research audience
- interest? which services?
- who I am - coordinate developer community
 - open source
 - ↳ api design
 - ↳ help w/ features
 - ↳ metaspikes on github
- @iwillake
 - content value prop
 - how to use + docs
 - state of APIs + tool + services
- ARCs
- Contributing: why? [a] access to VMs
 - eyeballs millions
 - impact shaping our APIs, lot of room for improvement
 - mission: making knowledge accessible to those who wouldn't otherwise have it
 - opportunity to create your own service w/ IT hosting
- mailing list
 - metric: user setup 10-15 min
 - need: ^{open source} enterprise resource planning
- 1) intro (me) tons of content (pedabytes)
- 2) value prop (impress) - books, relevant
- 3) ideas, how I use APIs (show opportunity) open specs
 - write hacks around way back is widget archive 2.0 (before redesign)
 - digitkey ^{openchip.org} ootprint collection/archive of open hardware specs
- 4) APIs + Client libs (state of APIs + docs)
- 5) Contributing, why? See [a] above
- 6) ARCs
- 7) Future of community & APIs
 - Mailing List CTA - iPad? tablet?
 - Come talk to me abt your idea, we'll see how we can help.

FWD.us - immigration single point of community

- what is the role of fact
- Jeremy Heyman "Old Power, New Power" framework
 - Sai, Mark Weiser
 - Connect w/ legislature (tech) → communication great
 - what are the immigration issues
 - who are the leaders
 - convert house/senate → web conference
- what action could they take? submit? } stories
- what is political pressure around immigration
 - Amy @causes change.org
- db of sentiment + legislators
 - borders, citizenship
 - data/dopa 4.5M people
 - in/out exchange
 - 1² bill; omnibus
 - green card (capture)
 - H-1B cap
 - funding + freedom =?
 - library of congress
 - google civic lab
 - policy team
- collect data
 - Ideas from Community
- H-4) 100-200 spouses of visas to work ✓
 - presidential election
 - 2.0 teams
 - monthly meetings
 - measuring impact
 - culture
 - prototype solutions meetup
 - create lists of interested people
- db scraper of members of congress → SQL
 - which members voted for most?
- acmseed - sell
 - diff between right word
 - Mark Weis
 - Ted Nelson's fav quote
 - mirador project.org
 - G88 VIM
 - Ted: send file format
 - wireless 2-part keyboard
 - each part is a mouse
 - 2d B flat $(n \frac{1}{2} d)$
 - tiling window
 - n "views"
 - compres
 - of zigzag
 - sample file
 - read cosmology paper
 - xanadu.org/zigzag
 - 2^{1/2} deep (overlap)
 - Ron Beckeram
 - snippet on zigzag in linux
 - Mek: load real data

• Graph Theory

• Ranking

• 2010 Latent Demographics of Twitter → Twitter

- gender

- age

- politics

• HPC writer

• Kartik

• Gary

• Monica Anderson

• sens. ai

• data science

• on

• Recipes

• generation

• FMOS

• regularian

• substitutions

• paperaday

• email → info

• Q. Name?

• privacy

• Name

• strikethrough

• if tag rejected

• untag

• Delphi

• read future papers

• ask for link

• ask to write

• short essays (RFC)

• Drew Winget

• World Wide Graph

• traite de documentation GLUT 190

• the possibility of a. GLUT 191

• universal subject classification

• working in concert w/ the metabase

• social forces of scholarship

• Monde

• "As we may think"

• catalyst

• PMOS

• inventing on principle

• schema.org

• augmenting books

• annotation (Page Rank)

• SEO + traffic

• denote fake/real style

• entity resolution

• knowledge base

• algo

• MVP

• archive

• papers not approachable

• openjournal

• fb ui

• facebook post

• wordpress plugin

• @tag

• + schema.org

• ↳ people + place

• freebase

• backend

• generator

• analytics

• graph, global, user

• Matt Mullenweg

• Themes

• 1) navigate research

• shortest path

• 2)

- Separate mission creation & Fees
(how to separate atomically?)
- (less param for transaction, less conditional) to Mission POST
from js

• 23

2015-05-24
Sun, May 24

Goals

- language
- research paper - Fundamental Concepts in Programming Languages
- get to page 10 in NLP book
- openair framework w/ openairtk
- best book on:
↳ openlibrary (draft mvp + business model) Kao, John Klein
current solutions? good reads

Mon, June 1

- Hank or Tracey - Test Set ~ (no prod)
- .deb for, git modules
- Sysadmin - Wiki page; in git/labs README cfengine - cluster management
↳ bring up nodes

★ Catalogue (Hank + Tracey)

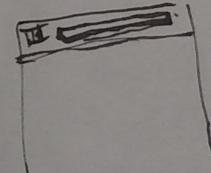
• Wed 05 What Should the Archive Look Like?

What are their top assets?

What do users do?

What do users want to do? → ask them
What collections are/could be most viewed

groovebox: Merge musicbrainz ~6.5K artists
- resolve/dedupe songs
↳ openlibrary for music
create groovebox.org archive.org search results



ON Intelligence

• p. 15, 1943 Neurophysiology
McCulloch & Pitts

• p. 16, idea:
evolve "algorithms" and
data structures via CNNs

• p. 15 p2 eq of bio & brain
logic gates & nerves

• Neurons might be "integrating gates"
• p. 20: Chinese room fallacy: understanding
the software is the intelligence.
one (software) can either be expert
programmed (expert system) or evolved
by one or more systems (consensus).

The former exhibits intelligence. The
latter creates an expert system.
• 20 p. 3, yes they do this, learn
use sets/lookup table. Be taught

1) Incoherent, using different data portals (problem) [curricula] use to publish website

- browser
- style sheets
- markup lang
- data source
- API
- relationships

purpose:

• Publishing tool which encapsulates encodes context and the way we think.
joining reading & writing

Direction:

- versioning
- provenance
- zoomable semantic context
- annotations

o stacked cards/modal

- distributed (long term) ips
- peer to peer interaction
- easier than wiki to suggest relations + annotate
- annotations & transclude

(new layer)
spatial decisions
+ quick actions

o blog/notes wiki

whats
peers

What will it be able to do:

- blog/wiki platform
- pivot (search) facets
- eat 24

examples

• language learning

• 1 paragraph of language

• euclid

• the foundation

Layers

Blog

- 1) search entities → auto-complete RDF
- 2) create entities → zoom into entity graph
- 3) local + global reference (or in between; peers)
- 4) dependencies [curricula, paragraph]
(type of edge/dimension)
- 5) TOC how do we get to doc?
- 6) timeline (most recently added)
- 7) direct link to content
- 8) space > topic/filter
- 9) Sampling
- 10) adjacency, similar, related

(new layer)
logical blocks

Graph of

hierarchy (views)
1) curricula
2) articles
3) sections (flexible)
4) annotations
5) entities

1) curriculum for encoding thoughts/making a tool (which) Published/Mit published

What we can do/ or to it?

1) add to curriculum

2) create new

3) declare dependency

(connect curricula)

What is it?

sequences, (x)(x) not

• a directed graph of articles or

curricula/sequences

instances

2) articles (no specified targets)

& euclid

3) entities

• (spec out)

4) targets ??, prottl

1) selection or notebook

2) reframe minimal

ui for curriculum

3) choose example: foundation

4) do.

• save target, read later, flag

• every section/annotation

mit should have a (target)

• create from me

↑

lifting out of mass,

add

had no brains

↑

Curriculum

↓ Dtos ←

articles

rot/

sequences

(x)(x)

↑

Target Types

1) People

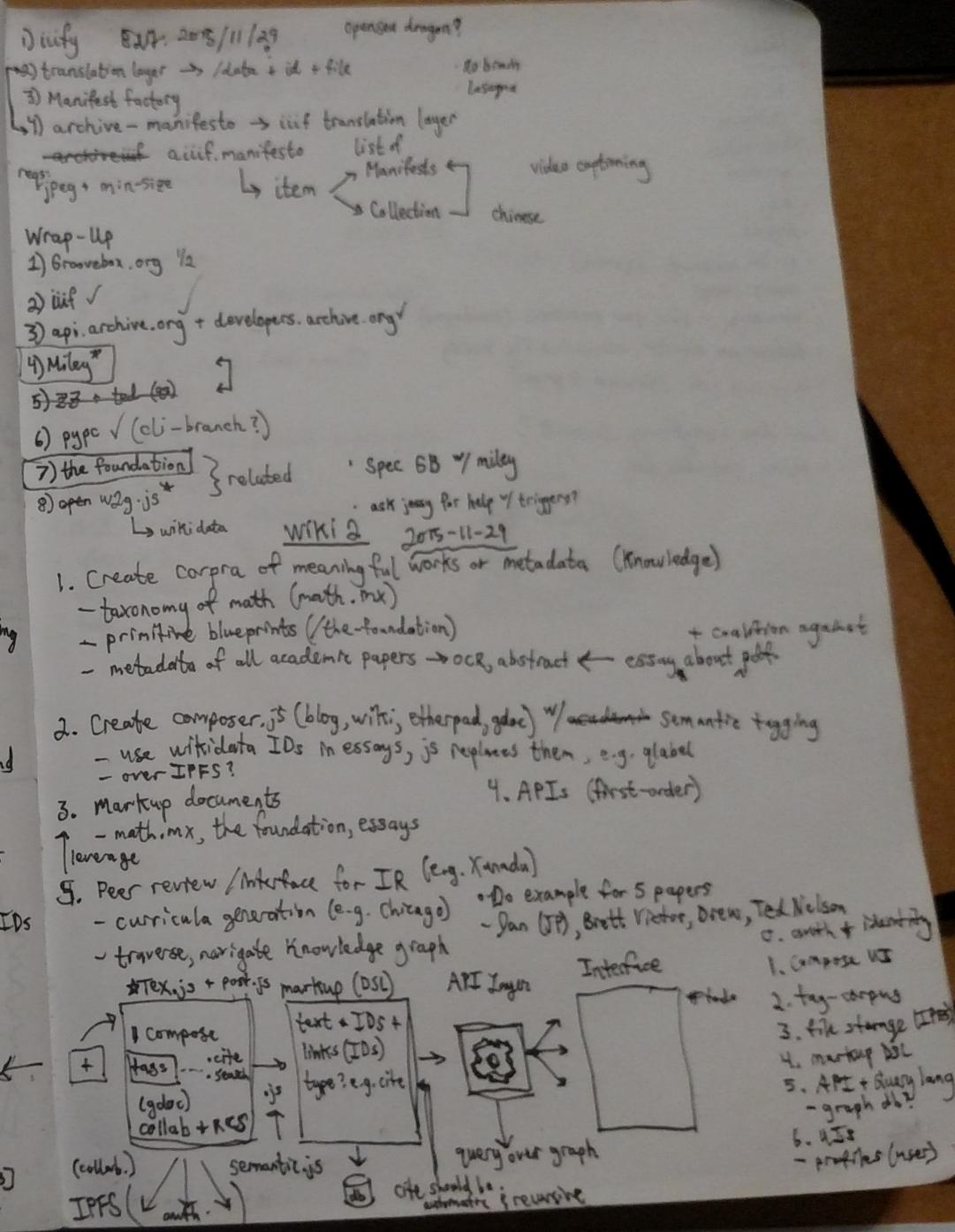
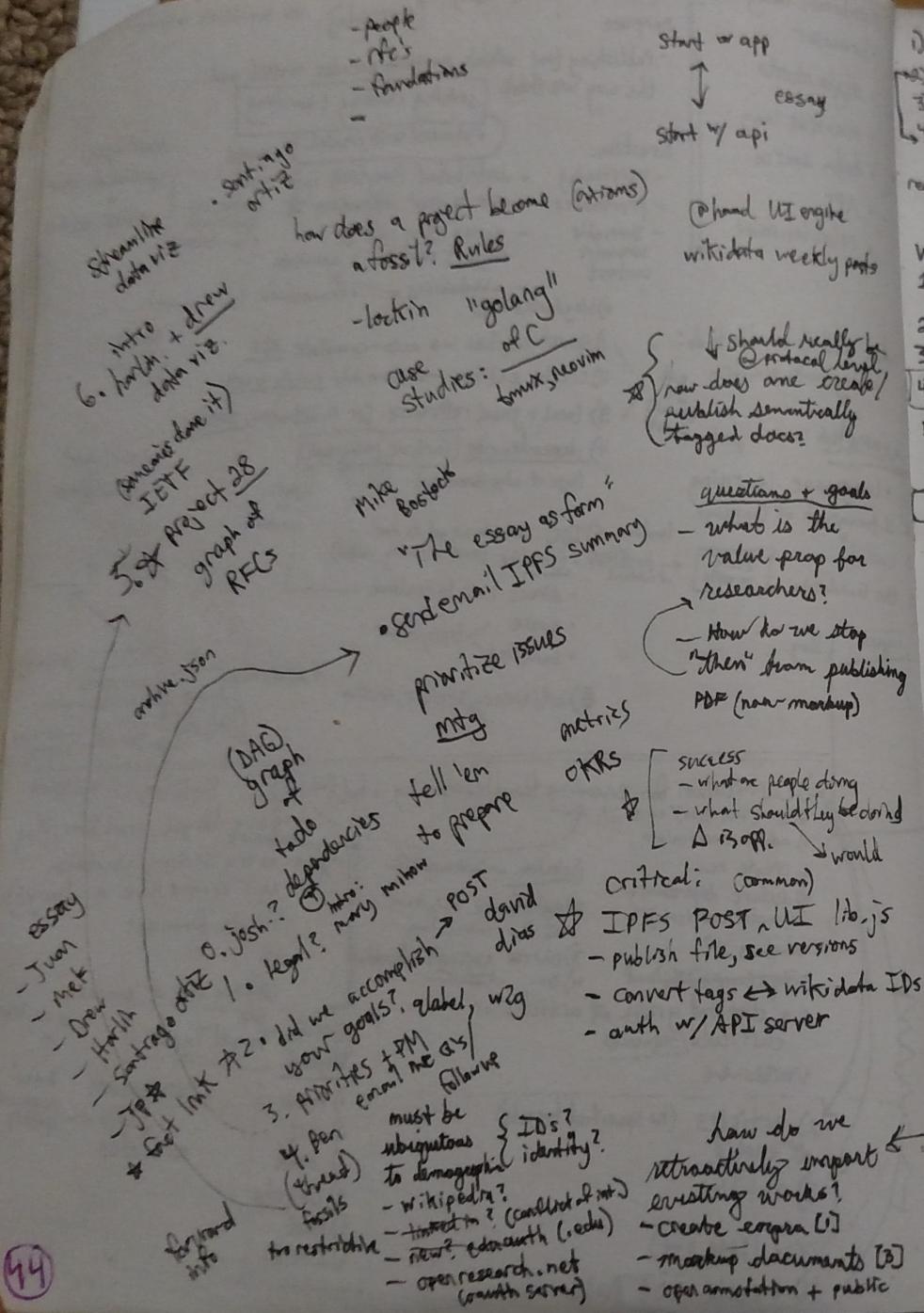
2) url

3) book

4) targets

5) Place

6) Event



ideas

- Miley
- Chitter.us
- bestbookon
- groovebox
- poly
- playback
- get life assistant (quana)
- movie recsys
- pandora - save your preferences (pseudonyms)
- distraction monitor, accountability buddy
- be yourself, gift (forward 2 pages)

how does everything connect?

- Miley, groovebox, poly

graph.global

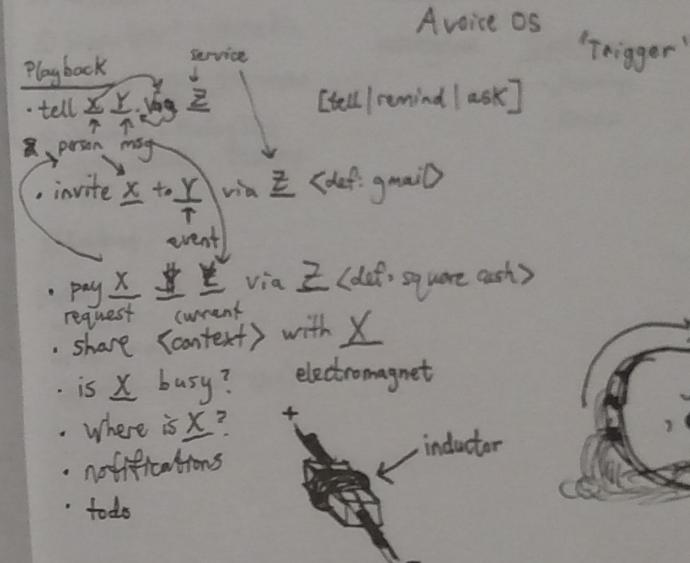
• clean water,
delay stop pipes for 30 sec

Idea a Week

• build framework

- roadmap doc (of Milestones) + dev. cycle
- habits: when to contribute (durations)
- analytics
- gen list of ideas

1) Finish Miley v1 (start there)



Open Library

Person: 2 dev + Gis / Peer + Award + Natalie 3 people

↳ feature to allow mods

↳ wiki
see/enter

1) Affiliates + Advocates

2) Partners - ask Alexis + Robert + Kelly Banks

3) Supporters? Wikimedia

4) Metrics 300K, 1M views

github 20+

5) volunteers + Mailing List

· greg undahl · ISBN proj

· Tom

6) Roadmap

Broader API

w/ customs

server endpoint

(specify implementation spec)

M

Person: 2 dev + Gis / Peer + Award + Natalie 3 people

· Brewster · Karen Cai

· John (not original)

· Natalie Andrea Zeleny Zanni

· Gis (wiki source)

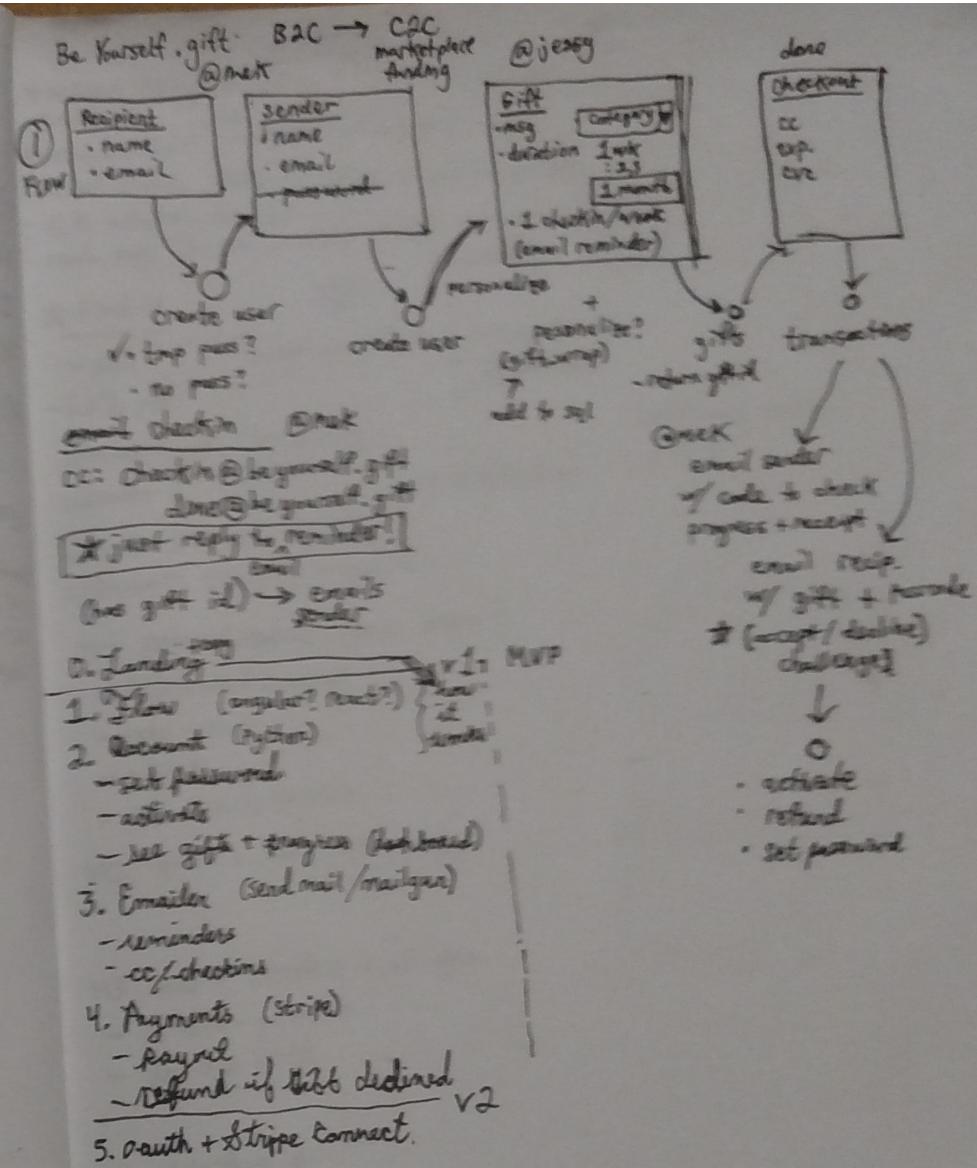
WPIS
benevolence, meta data

· Robert

· Andrea

· John

· Alexis



biomed concepts naomi@archmed
*medgen dict/graph ontology
omim, hpo locust
metapub + find it wrapper (write paper) 3.4
pubmed articles 26M → 25% in pubmed central
[NLM metadata store for mesh tags (human curated) ~40% open access
(unlisted) NIH Biomed central]

★ Find it

~150k "content communities" - 3 mon. grant?
~63% pdf - collections
variant2pubmed "hgvs string"

Indication G lexicon bank distribution
compliance metric
<70%

DScore (proxies) → lists
2) research server w/ mysql ←

M1 pubmed central pmc import

- distributed crawler
- John + Kenji
- alexis
- John + andy bezella

M2 grant + post/paper + help

M3 API + interface + all open

- citation generator
- doi ↔ pmid

M4. Interface *

HelloWorld Books food blog Log
• OCR why's guide
embassy-vinton (email) Shawn Austerday (Austin, Tx)
• PS-blub Sarah Allen

- deliq-foat
- legal industry
- tax code anthony
- social: balanced rules - 18F ^{facilitate}
understanding + simplifying \rightarrow reform

Carl (algos) \rightarrow google list
• google
• greylock (Tara)

scribe - Kelly

delta-e

application \rightarrow field?

What are highly recursive/hierarchical things?
- Math, manufacturing, biology, neurophysiology, physics

\rightarrow curricula

context

source rel. target

math.mx electric generator \longrightarrow magnet component

elements

add $\mathfrak{Q}-9$ (a-z?) vimperator hotkeys to search for entities.

list of all library collections that want to be digitized
↳ Genealogy Sonoma Library

100 - spreadsheet → EA?

- coins API, Newman some war length

- who I am - doc on beeminder API

Ozzie

Philosophy work:

- infer context from sounds (Kitchen) had social network

Playback

- grand rounds (health)

- "guesstimate"

expected value

- measuring uncertainty by distributions (predictions)

- templates + ^{real time} integrations business decisions (Zapier)

utilitarianism
effective altruism "Give-Well"
cause neutral (pre EA)

what does math look like
ironically, the spec isn't done
via effective altruism

"super-intelligence" approximate utility

iterative deepening
FHI

- problems

- startup revenue (projecting)
- user projection

math curricula generation

- needs: AI/ML

• links of humanity, for future

- Salesforce

- Internet Archive

Dustin Moscovitz

- Wikidata

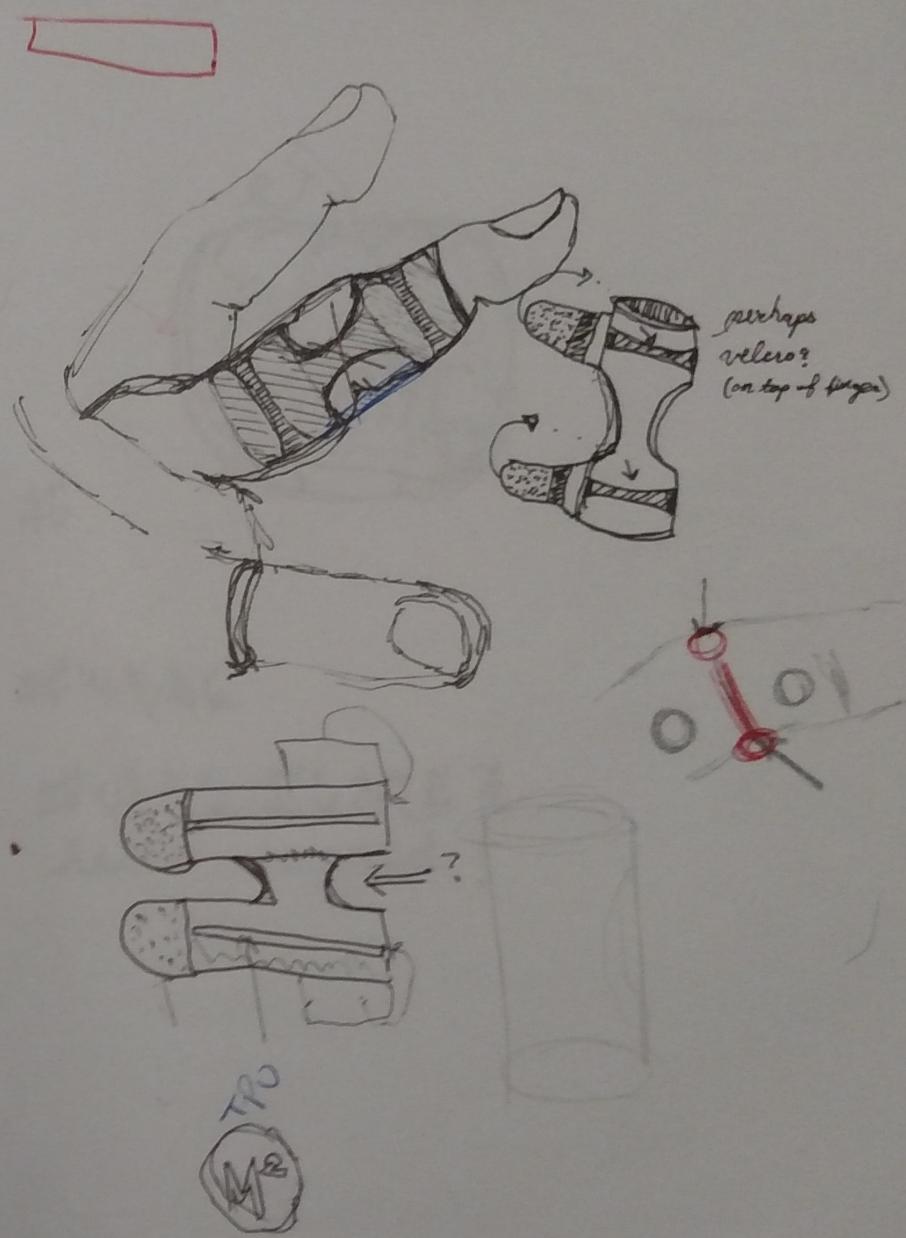
market

- Jack

unstable

"how to measure anything"

figs brush smooth (1) issues such as -
5m each (2) others ←
9 seconds
current state of fig
I should have gotten
what is the best how message
→ plan sleep why does 5: why
know
what is not starting to psd? not starting to
what is the best how (changing audience is why)
slide 4, on: what do I think is an er why I think so
there is something
do definitions early
"what is it"
why didn't work 5 why
why figures





53

世界

世界 你好 世界
hello world !

manifest.json on item file list
verizon - cell chip
weave → Z-wave
→ Zigbee, bluetooth
→ Alarm.com → IoT acquisitions
300 people → solar
700K homes after US
400K

Sustain mid market, 250K .gov, biz 100 gardens
public transit
locus energy

Maine State housing authority

(energy)

env. finance

• Josh Bangard

• Erik Ryberg → Demand Response

◦ EnerKee

1/2 page Exec Summary

MBTI - rational

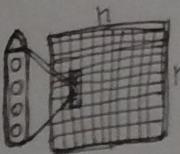
4 groups

bigger tech co.

MPRI "

Dots "

Interchange Transport Protocol



- every turn you get 1 move, 1 shot:
- should shot range be limited by ship type & location?
- certain squares are perks:
 - reveal 4 squares (block)

shot → iterate over ships:

- if coordinate in ship.range:
- update hits hash array (history)
- flag ship as "hit"
- broadcast msg

define ship rotations (rotate left/right) & forward for each ship.

every ship has a mind

- Player.1st = 1
- antique/kids game
- face ships
- game starts, player turn set

- How to measure anything (Douglas Hubbard) 3-6

- risk profile, sales forecasting

Tech-cofounder: Matt McDurman
Google

- Sam Savage

- Lonestar Consulting (Erik) (CEO, Texas Instruments VP)

inroads

- Alex Selig

- Ilya Lichtenstein

1. Free private accounts to YC partners & VCs

2. Set list of 20 perfect companies + use cases

#credit cards, \$

3. alternate positioning

4. solve your own sales w/ guesstimate

- sales forecasting

tech people not in charge

great examples

estimating valuation

model your risk

- loans - has data science

- biotech + drug research

- security

- insurance - has data science

- PM

- military

- investing

- energy (PSE)

- PSE, ...

- Kaiser

- YC.

• peer review
↳ good science?
↳ impact?

Archive Lab invite *

Cancer commons ↲ (Naomi)

• USmac

• Many Labs (citations) (Peter) + Mirek

Gordon Moore

• Food Provenance

• Distributed identity (Juan) pseudonyms

F MOS trust (respect) (Mark)

web/Germany Wikidata (June)

Jeff Builder Crossref

publisher member group

abstraction problem

*Jaron Lanier
Who owns the future

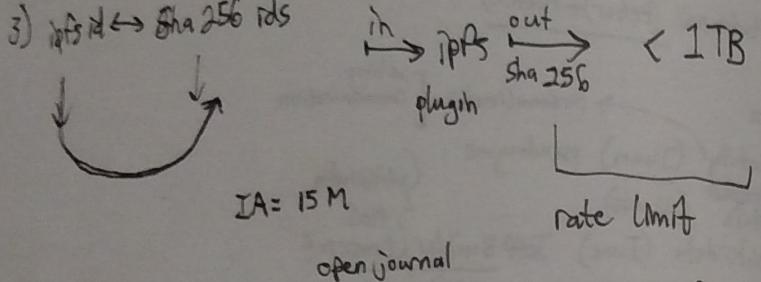
• Google's Pay for Websites
(no ads)

Stanford: tool for book playback
[print] publishers to
semantically tagged
questions

London
Archive built
Naomi
Peter + Mirek

1) registry of SHA256 of active IDs
CDX
30 TB

2) ipfs node



collection

Academic Papers / Open Journal

★ 10,000 as a pilot
global registry

db
inst-id

archive

@davdar
@jbenet

meta data format

Keep db of SHA256.

10M blocks

↳ create 10,000 for starters

↓
search index

no index

Demo 1,000

- pubmed central - naomi
- arxiv.

★ set no-derive (on upload)

★ check if exists

NIH Meelken
Daniel Mitakhan (sp)? - RIO Journal
open source prize

standards for open science, pre-registered science

ThinkLab whitepaper

improving systems + protocols

ORCID
identify experts

@juan

↳ identify @jedan dugan FMs

@markp reyer respect matrix

respect / rank topics

• intellectual honesty

↳ test cases written by others, phd defense, board

trust + accountability

open DOI

opensource materia
(austria)

Think Lab

↳ digital signing

• bizer + community, tech co-founder
academic papers as modules

Kaggle for academia

• bizer
Hinlein

↳ hackers

angellist for academia

• open data sources
hetero genes
Networks
licenses
(data sets)

↳ grant program (experiment.com)

proposals ↲ distributed?
(in public)

• NIH

• IA

• wikimedia

• welcome

• PLOS

↳ Selection
peer review
in public

Pilot

1) make list of 20 funders

2) 3 funders

topic:
meta-research

AI safety community: - miretek

3) Publishing / Scoping

4) minimize risk of upfront work

• FMs

• identity

• Ted Nelson + Jason Lantek's

• pilot

Scientific Communication Article processing charge (APC)
hybrid journals, BioRxiv to open access
Gold OA PLOS, Univ (green)
Set universities onboard →
follow the money → IPFS

Standardize metadata
assets

CDL John Shadaki CA ecosystem - python notebook
California Digital Library - methods
Nick Peterson DE - signicate
Connor Devpr who syndication? DOI
science tech medicine 35,000 articles
6.8B revenue H-index
3.5% T Darcy + index of DOIs
gold = 12% articles green repos/google scholar
OA = 20%
green = 8%

sub: Springer / Nature
. Hindawi
. Elsevier
. Wiley

PMC

meta-research
uber-research mega
ONE

plos.archive.lab.org hypothesis.is
↳ - data sets
- dataxiv.org
@slack channel

1) front
2) discovery/interrap 1/3
3) reworking
↳ Watson
↳ disease threat
↳ modernizing medicine
(youtube)

- 1) archive metadata
- 2) CDL
- 3) slack
- 4) gitxiv.
- 5) Naomi + PMC
- 6) internal contacts

2016-02-25 Thu

4 barrel, Greg & Trent

Internet genealog

- dist. www conference
- Library initiative (ipfs) [papers]

scholar, archiveLab.org
life extension, forum, r3sp, gov, privacy, facebook
biotech, class action, competition law
greg - policy, Berlin
big chain, ipdb, bci
big chain, ipdb, reputation

TCP ids?

Trent

- cognitive announcement
- AI
- distributed

bigchaindb

ipdb.archiveLab.org - 1 node
ipfs.archiveLab.org

graph, global

wikidata

Josh Juran → Ripple

Dmitri
ascible.io

micropayments

w3c ilp

interledger payments

AWS 48TB 32 or 64 nodes?

5tb. ✓/Sent

- google print
- facebook
- wikimedia
- Knight Foundation

horizon 20/20

→

→

→

Chris Musina

↑ tag, user, auth

Brent

proposal + wikimedia
5K x 2

Spec for academic publication

XML → JSON = HTML → ?
TeX

entities [data]

- papers (data)
- people (author ORCID)
- topics (wikidata)
- annotations
- assets (file hashes)
- curricula (DAGs)

everything
has a uid/hash

francesca@Berkman
quarterly
blockchain mtgs

Nigam, (Microsoft) J. Goldstein Yona Frankel et al. Coursera
 directed sequences J. Quan et al. mycroft, awes, dunge
 J. Gehringer et al. scale, play don't make me think
 Scholarly sources (incorporate) [1]

Why teaching need
 • scale challenges, biggest bottleneck:
 • product/Mooc challenges
 • demographics?

• most requested feature a class is homothetic
 • biggest complaint (similar problem w/ a book) 2 yr Specializations
 • overlap between classes? meta-academy?
 • skills? (tracks) graph outcome mix-match
 { map project approach modules
 { (browse projects) courses
 { Knew Academy
 { graph outcome mix-match
 { project approach modules
 { (browse projects) courses
 { Knew Academy

60
 broader - security } disable http product
 mean: ECS - reliability } docker professors upload info
 - scale solutions, unit tests self-service
 teaching assessment expectation matching devops
 coherence search for skills PM
 instrument, analytics in courses
 test class effectiveness growth
 recsys
 PM
 designers
 analytics, eng

analytics reading group
 { MBA { stackable credentials
 (Illinois) { 6/8
 20,000 specializations
 business challenges
 liquidity
 marketing
 concern:
 - states
 - expectation setting
 - increase quality bar
 → feedback loop + incentive structure

eng, inf A/B Negsys framework 30% completion
 eng, inf A/B Negsys framework 30% completion
 Learning exp. ★
 Enterprise route ★
 align exp.
 online degrees
 sign-team lead
 Coursera
 4.7 app
 accessibility

Jan Arndt
behavior scientist
(becoming your hygiene / appearance)
youtube vireart

1. data safety (data-rot) will, 6m organic search
2. availability Brewster related items
3. search/discoverability → v2.0
↳ analytics

design, performance
technical debt boot afloat
70% uptime
documentation 2h darktime
scalable isolate ops
services
increase our bit value search team
searching by song learn
better organization of collections
upload collection types
Trayser archive.org infrastructure
lby book metadata + book collections
- remove/min strong voices
- Bids - political ads project @Rogen
ES for wide 5
brenton - epub and corruption
republisher tool → react
search cluster
★ archive - comics
talks
25k to cdx server
collections
David M.
creative director
playable items
• rampup
• first pass, isolation
improve quality (react)
• v1 versus v2 api

will, 6m organic search
Brewster related items
testable Archive.org greg:
gnu-radio Eric: 60 days
30 years AI/ML open library
300,000 CDs open access
digitization 10/h
licensing policy issues
books internal api.
online
funny code
tv design
ant labs (Berkeley) v.
Data Sharing (Wolfram) ask for video
IA 1.0.1 python application deployment
469B captures
150 first time historical pricing - wayback
grateful dead email
Django (plugins)
• envision
• design metaphors once a week on
• tv is loud Monday
preservation Wayback
- scrape api sort linux files
Aladdin
dance notation

open.gov. Jakub
big intelligence for gov

- transparency

data, viz, node.js for gov.

small-medium google

watson is competitor \rightarrow big research team; neutrality; integrations

imagine product future

↳ medical

↳ legal - mining

↳ management / HR / sales / mtgs

Interview
reps of problems

hackathon for
1 devn per week

:

:

:

people }
customers }
tickets }
↳ hiring ATS
· patients -
· sales/customers
· Q/A
· staff + HR + IT

node.js

- Schema
- Search index - elastic search
- triple store, graph db

Caution

★ Customer or document

structured query

search prototype



ontology

• Connect

prepare for google interview

def mergesort(lst):

def merge(left, right):

result = []

while left and right:

if left[0] < right[0]:

result.append(left.pop(0))

else:

result.append(right.pop(0))

result.extend(left)

result.extend(right)

return result

if len(lst) > 1:

mid = len(lst) // 2

left, right = mergesort(lst[:mid]), mergesort(lst[mid:])

return merge(left, right)

return lst

class Node(object): value, left=None, right=None, parent=None:

def __init__(self, ...):

self.value = value

:

class Bst(object):

def __init__(self, root=None)

self.root = root

def add(self, value):

if not self.root:

self.root = Node(value)

else:

self._insert(value, self.root)

def remove(self, value):

def _remove(node=None):

if node:

if value < node.value:

node.left = _remove(node.left)

elif value > node.value:

node.right = _remove(node.right)

else:

return node

self.root = _remove(self.root)

def _insert(self, value, node=None):

if not node:

return Node(value)

base case

if value < node.value:

node.left = self._insert(value, node.left)

else:

node.right = self._insert(value, node.right)

- diff 2 people's knowledge
- retrieve answer
- create evolts elements of anything recursive
- interoperable templates for modules
- need a way to split/fork/branch
- completely called, stand alone

depth v. breadth
 map (lewis & clark) TCEP
 cell map world Wendy + Brewster
 Frederick history of the
 1919 Taylor (Toyota) internet
 Time Workers project
 scientific management

- language learning
- books
- curricula, sequences
- video multi-media \rightarrow yesterday's video blackboard available video
- context-free / isolated knowledge
- visualize path of evolution, memory, re-inforcement
- = universal os (reflect the mind) script of multi-
 navigate/emulate thoughts mind

how do you merge 2 books?

videos
courses

how do you separate 1 into n isolatable maps /self contained

Khan Academy gets it.
their videos are close to unity

Pen/Thumb through
always add 1 page right

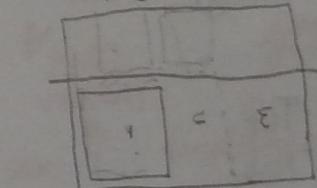
Metacolony, Arbitral, Khan Academy
Stackoverflow
Wikipedia for explanations

quarantine & advice

- projections & zooms
- book shelves and collections
- workspaces
- workspace (whiteboards)
- focus on 'n' side by side
- focus on 1

Self contained

- take 1 book (or paper).
- turn into a graph



20 questions - root
Science, math, wiki

medicine, cs, math, physics, chem, bio
local storage, save provenance trail

every node has questions
of various degrees (depths) of complexity
infinite zoom
Canvas

- APIs - go swagger
- 05 -
- cds - produce .deb, groovebox.
 - tel. US
 - austin + Vinay
 - movies
 - ~1K books a day
 - lockers email austin w/ selenium notes
- do you want the expedited tour?
- thin tech
 - impact: 10-50
 - networking/social
 - fix inefficiency
 - data science analytics
 - health care
 - bio mechanics
 - Roi ↔ austin
 - chariot
 - smaller
 - Planet granite ~ 0. RemiX - JP
- angelist analyst program
- Mavera
- hired - Chris Hogg
- Practise Fusion
 - intro
- Jordan ↔ Laurene
- LatK, product
 - Tilt
 - Mode
 - optimizely
 - Willf

Vince, Doctrow, Brewster

Max Ogden, Jim Whitehead, Jugn, Ben Trask, Herbert, zero net invite invite

* Brewster - decentralized wordpress

1) developers' day - Ben Trask

2) public summit - inform against smore

Job Benie: beansprout

-Subset of SWE high demand ↓ date

Market Size

- lot of sources
- saturation of tools
- referrals
- marketplace
- bootcamp (code path)

Supply

- VCs
- location
- tech match
- no resume
- size
- guild
- culture

chat bot

Job search

chances (align)

culture

• relationship social

• beansprout Zima → hired

• get wants enlist

waiting list

identify "packets"

- 82B, security

- Stanford → entrepreneurship

1/3 change role

ref to "A2" package and template

script + personalization

seed-round B

top 10 VC

and time founders

Narrow space

Data Science + Security

taotai * AME ventures

seed 250k/50k

targeted team

peeks

spider capital

65

★ Michael Stelzner - Arnold Foundation, bio-chem PhD, Staff Whitehouse tech. w/ Tom Kayhill OSTP
(VP) ↓ Directive to make gov research public John Holdren → Office of science + tech policy
office in DC Laura & John w/ Arnold Foundation quad, justice, investments } cares about funded results
invested in fracking (oil) pension funds → documentary → science, clim "be" → open science framework
intro'd Roger + Max Karissa Kelly Rose (oil things scott)
Open Science Proposal VP @ Arnold
★ Community → improve Wayback (grant) Imrey + Max

★ Silent Partner

- openJournal - gitxiv.org, Scholar.archive.org
- ScienceFair
- Publishing 3-Way Partners
- Highlight what content is decentralized (Wayback, Archv.re.org)
- Registry

1. books
2. Wayback
3. Libraries together - lists @ scale (policy + agreement around db)
 - ↳ PLOS
 - ↳ Vanderbilt
4. TV
5. science institute - virtual labs
 - ↳ community development
 - ↳
- 6) Resiliency → decentralization
 - full time ↗
 - 2nd Archive.org

- What to decentralize → content, science fair
- Why decentralize
- Risks of decentralization → intellectual property and complications decentralize, distributed
- adoption, actionables, how do we, reducing friction, decentralize, distributed
- Identity + reputation + trust participate feasibility
- governance, ^
- ~~interoperability~~
- data privacy, intellectual property

central forum -

67 goal: better contacts

2M books → all 2020	A1	David Rosenthal LOCKs for each vertical Indie web cards
- make it easier to determine what we need (DWFI)		
- discovery + search (within, without)		
Ethiopian Libraries only have IA text		
Vinay - improve accountability: formula for determining the "right" stuff		
NSF + Berkeley		McCarther flow + funds
Website Search for Wayback	Librarians ★ Dame Boyd	→ Topics • librarians + publishing • tech • coalition how to split • upload
Friday - Archive Labs 2:30p	• what to decentralize • js p2p	Jeff hubot - files Chicago spanning managers schedule
		★ backup the archive curator share
• increase value of archive.org discovery		
• improve community + innovation + <u>accessibility</u> (research)		
• resiliency, decentralization		
• improve accountability, prioritization of bits in		
• improve accessibility / usability		
modern bits out	↓ APIs, metadata	
SWE safety infra (tech + research) sharing requires metadata provenance	Map Goals organization, docs, presentation accessibility (APIs, metadata), operlibrary discovery (search, organize) Community (labs, research, events) enable, further accountability (of bits) - DWFI analytics governance, fair/just use, usefulness resiliency (decentralized, inf.) economics preserve Collect (bits in) - ttscribe, journals Storage, geo-loc, redundancy	Lisig, Lamer Mozilla Festival Application ★ Zeronet Themes 20-30K Scholarships & DAY 2, public DAY 3 - lightning
Page - make greg - ascribe ipdb;	Comprehensive / complete, coverage protect the web	DAY 1 - June 7th ~50 people 2 min intros
Max - DAT		IA node which backs up 1GB
Kyle - necessities		

Integrate IA Services

After 20 yr. service = part?...

Partnerships

↳ contract crawls • Open Wayback

↳ Archive it

33 5cm centers,
8 countries

• Music Digitization

★ focus on the right content Wayback 2001

Research Projects

Metadata
- partner

international web decentralization consortium

II/DC

ejournals

DWETF

- research process
- accountability "what"

Coordination

• decentralization

↳

+ research?

bits out

★ Music, web, tv, journals, software, books
exhibits,

social media = b2b
communication + volume + datasets + feeds
Create webcollection

bits

Lost & Found

What % of web is gone?

most valuable preservations

- geocities

researcher access + APIs

↓

"What"?

panel:

Virt-Preservation

lessons

moderators

Goals

- introduce ideas of dweb

- standards, agreements, coalition

lists, facets

- create archive if act.

structured upload

etree

↓

upload

↓

structured

rhizobiot
Tools for Thinking
Cooperation

best bits out, connect?

Greg Bateson
epistemology

when computers

Joe Edelman

within
machines

Couch Surfing founder

- cartographers of the mind we approximate being understood
"cognitive ergonomics"

- Mark Carranza

- creating map → discovers

- exploring / navigating map → for why? (we build for)

Douglas Crawford

axioms of

recording
organization

↳ english / communication, the good parts

coherence - visual patterns

↳ "Everyone knows what they're looking for"

• The axioms of obvious minimum # things

algorithm

• Patience "be understood by computer"

• enter a network as a human agent

extend our brain, We want to work together

if internet had introspective sentience

• drew
- voting on
talks

record +
decentralize

- repr. our life/worlds

- in ways we
can't

- fb (communication)

- google maps Brewster's goals:

- calendar - look web open

- what's important: framing

- problems, options

- goal

"Lenses"

I want to design
protocols

Memex:
Memory is about the future

Mark appreciates
eye contact
- art prizes
- Memex site

ePaper: what exists

\$12M Non profit incubator to do public good

- academic papers
- connect
- create frameworks
- community (sustainable)
- Kabutz

experiment
try
3) papers
2) sharing
php interface

I pretend I have
\$1M... because this
my lifestyle may
earn this \$1M

Memex, we are the CPU, it is the
memory; seamless memory access

"random" access
memory

- frictionless

Mind in nature

↳ V. Bush

division of work

• creative

•

What thoughts
do we share?

truth matters

Plato the
Sophist

what is there to be gained?

What is winning?

incentives?

where people spend time/money

Something exists
if it has power

how do we let
people use their
own algorithms?

- e.g. programming languages

- natural language

- mouse, hand/draw

[idealism, materialism, dualism] or what life

quantum consciousness?

is
when we can create life!

Lenses

- how do we connect / interop lenses [integrations]

i.e. maps + memex → context ++

- how can we evaluate lenses

- how can we design lenses for a problem

- how can we share a lens

- how can we share / relate / compare
view in many lenses → discuss, query others

→ how can we share our lens history/provenance

★ ↳ lens for visualizing axiomatic knowledge

wikipedia

• Slack } pass around share

• google }
Web-beta.archive.org

→ how do
- make lenses "functional", simple, idempotent
and axiomatic.

and build for and individual

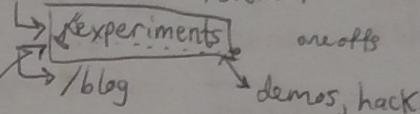
harness the world's collective intelligence

public mind

Archive.org FE
erb, mix markup
fast boot
vacation maxed @ 180h
one non critical
archive tv.

- DWWI

- Showcase ~~th~~ Platform



django
* projects
* copy

designers
demos, hacks

one offs

design challenge

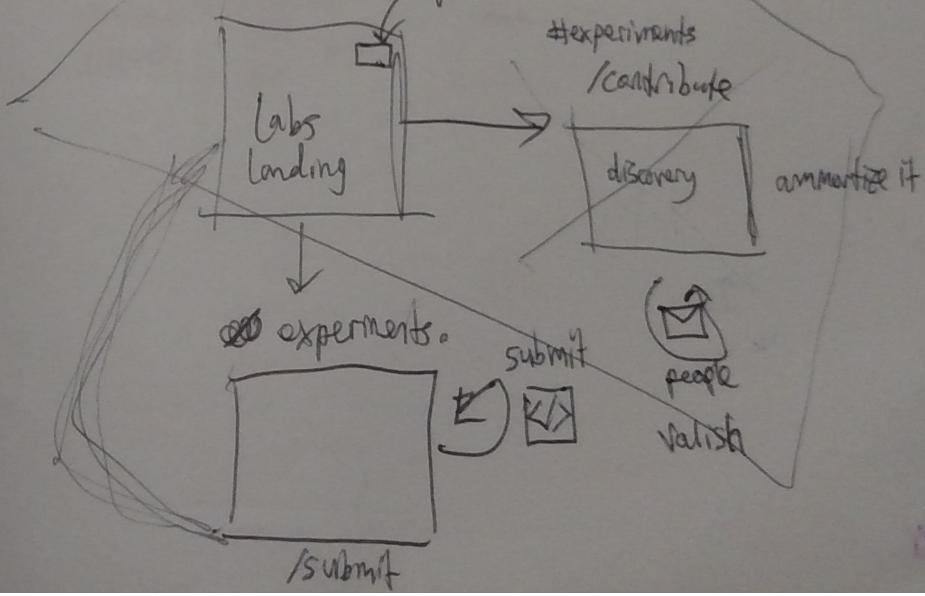
/challenges, /contribute, /events

/submissions, /submit

- /contribute

- copy
- invite awesome people
- list of assets

apply for slack / resources



where to raise children

NY?

choose school based on network

* every person is put here to discover the world for themselves

→ 53M seed, 13 bats Signal fire signature 1.5 y quart: AI, enterprise ZIP code 53M → 300-400M

• Stephen Balaban beacon 35M profiles Kevin Hart, advisor

TB realtime? - talent flow find super-connectors
→ 95% - quality

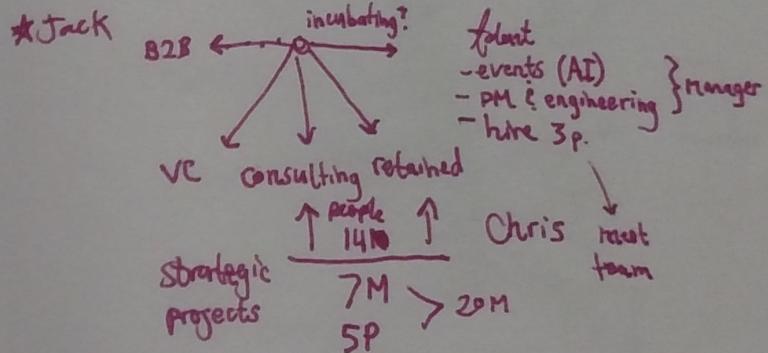
pitch → convert

* Galend platform - Dustin Ornmont

inform uninvested opportunities

100K-1M revenue corporate intelligence → led by albe [project basis]

* Jack



contribute to wikitdata?

→? can you?

What is the 20 yr goal?

"A bug is not a threat"

min work → product for users

represent entity in graph? <id>?

MEMEX



open to interpretation

triples vs. doubles

allow
↓
promote to triple
edge to
be None

generic-
relation

theory of communication
jellyfish, game of life
design science
design against
catastrophe

ME @ MIT
design science
optimization

Jacob

6A → evolving 6 circuits
deconde counter

Robert Oshorn
transcription

amir sood
Glenstar

#1) team member → react + reduce
root
firehouse
music

The machineries handbook

666

Memex
notes, tensors

idea flow

gordon kirkwood

elton sun

UC Riverside

from scratch
↓
idea flow
'tagged'

lower quality .com / gentle
transcription

Joel / suba

Send Iwrite
teekar.org

metacademy
alphaSheets

ideapad.io

Knowledge map
Santiago Ortiz
open knowledge
maps.net

Alex Zhu → ? Raymond Hollinger

depending graph of knowledge

• tabs outliner
github
IPFS Memex

People

Alexton

- Richard, Jacob, Andy, Ned, Stephanie
- Conor Sullivan
- Alex Zhu
- Drew Whinget
- Robert Oshorn
- Jan Paul Bosma
- gordon kirkwood
- Amrit Sood
- Ben Trask → stronglink
- Mark Corazza

Unit
opposite of patent troll
graph
hacksphere - share
hackathon ideas

(?)

The Best Book On

- What do people/I use today?
amazon, quora, google, university curricula, good reads

- Who Can Help?

- Kao, John Klein, wired?

- What domains to start with? engineering

- Universal book ID?

- open graph?

- have authors claim tags + send notifs

Open Graph (w2g)

- oauth (private email) openid
- register tag

4:

learning xp ← onboarding, success, progress, grading

2yc content → enterprise, customer, tracks, tools, partners, analytics

infrastructure → SRE

growth → before enrollment

modular

passing to content creators

↳ projects to entry

↳ experiments

granularity

author, etc

student teacher?

curated tracks

student teacher?

UGC

user generated content

quality

motivation

A/B testing

- b/c phone
- onsite

motivation

A/B testing

curation

analytics dashboard

ATB

latent demand

recsys

onboarding

interview tracks

advising

curation

onboarding

; definition list [Flow] (discuss flow)
• Notifications across services
dat-data.org
meta.academy.org
article quality
Dario, head of engineering research

self-improvement algorithm/affirmation
humanity algorithms
dynamics/problems
Farsi/English Materials
documentary (popcorn)

Narrative Flows/flows (like maps) through books + auto texts
- your gaze tells when you don't know a word, look it up
Interface - "Super Reader"
- Native Reader, English friend (dig full page) eye difference

III

May 28, 2016 Drew + Mek
coffee (coffee revolution?)

are they confused? what to do with backlog?

I have yet to meet a human who is not.

Some who are less wise are less confused than they ought to be

context snapshots

graph: global / graph →

jaff uhair
mcarthur
stripple, fresh
which
scratches
on its own

- make possible (digital book v. book re-access) to scan 30k calculus books
- axioms & read off of paper []
- simplicity, use it every day
- demonstrable, predictable entry point
- be genuine
- pre-digested?

symbolic form of an idea
from scratch.ch
editable

- o why so many books ("language", discoveries, enjoy)
- o why new books (explanations, etc, want)
- o why books? (format)
- o how can we use books better →
- o "make DRY"

Cleaning your room is easy
via a computer

- evaluate underlying assumptions
- preventing catastrophic interrupt handlers(s)

anal → handwritten → printing press → digital

- quantified self, habits,

- the power of curation

- protocols, named URL?

83 → algorithms to live by

- MC: 1985
- String to int (fountain) (tradeoffs)
 - problems of being programs
 - at words digital v. physical
- individual but centralized, 2-modes
- hash, content addressability

Source + id	
instead of hash	
id	source

Archive Day 1

- Greg (exempt) (potential for optimization) provenance trail
- Eric Diagrams (Jan) "cd paranoia" ripping
- Demos [EAC] Marcel - Fall Release
- Build (empty VM) Maria? SF Release End of May 3 epics → China v2
- Vagrant AFS (conf Bloomington) assoc recorded sound
- hardware comparison chart
- dev feature/ui py test targets
qt integration qtbot 6min - scanning
master rip

May 10th demo
Packaging - pyinstaller, pex
accuarchive database, web service checksum (pre-flac) freecommit hook
if match

r/q channel: isrc track # → Musicbrainz

"do we want it" server [registry]

hq, staff # mcn?

TOC dwuri metadata

lookup cd Search by cover or id

files.xml WPC, musicbrainz

v. description

Materials

- Micron pens
- glass desk or sheet of glass
- white board
- thin whiteboard markers

5/12/2016 @jcg
OpenJournal
Item ware
1 ware, 1 file.
come up w/ schema

create a ^{web} program to add friends,
email, store arbitrary data, invitations

linked data
github.com/solid

#D web summit, webfoundation.org

Real Goal is to turn everyone's computer into
a node. Allow people to store their own data (e.g. fitbit data)
/ Standardize these nodes. Setting up http is hard. Use browser
Files move. Use hash, not path. Paths are ephemeral.

② A file's location should be "watched" and updated
(i.e tracked). e.g. git. ,

Virtuoso: web needs a memory to forget.

① ^{Axiom} If you use the web, you are using a node.

② Expose web of data (as different protocol)

Karpathy, NLP ArXiv

Feminist movement, Joe Friedman
on Structure

Metrics: global data commons

- Numbers even for profit nodes must conform to basic viral open source
~1000 Journals, across Sciences (discipline) fields
10 →

- API for looking up data per paper timeline: July (Sept latest)

- ArXiv datasets, make data useful and available June 28th
PLOS (seed) datashub IGF of Be the data source for ArXiv, PLOS & PMC.
CORE paperbase science ① CORE - data (datacloud)

OP? [nemash] prepare the roots ② people can't sell the data
③ PLOS, etc. ArXiv, Zenodo, datagov, universities

- Preprints? Data?

o Accessibility, Reproducible

o Network is free & open,
sign-up, free permanent access

Who? o bulk download
data flows freely Spec for your bucket (search) world:

- edus o multi-homed / redundant
o open source (they implement) - reproduce
- Journals (host data), PubMed Central ArXiv, PLOS, CORE, - accessibility
- (international)

minimizing the investment of

dropbox for your research

Goal:

- allow dat to be able to implicitly ID papers

- Dat → API

② bret victor, (glue) ①
★ gitxiv, Knuth, ③
CORE ④

Questions:

- preprints
- permissions
- structure

berbert van desompel,
CORE, OAI-PMH

① provenance
② organized + network effects

③ api access + ~~network effects~~

* dataverse, 2017, data.gov

JARPA neuroscience
what other domains?

Scientists: - standard

- easy
- free
- forever
- required
- metrics

• Sponsored conf.

• work w/ institutions/
publishers

1-2 M; 3M

July (Sept latest)

June 28th

① CORE - data (datacloud)

② PLOS, etc. ArXiv, Zenodo, datagov,

③ universities

scientists, # downloads, # homes,

papers, uploads/month

Spec for your bucket (search) ↓

institutional world:

(they implement) - reproduce

- powers future reach

- accessibility

- (international)

① write a data spec / metadata schema

② crawl data

③ allow inst. to push

metrics

publishers:

- cheap (data, software)

- greater value prop / branding

- metrics

Repos:

- redundancy

- discovery

- standard